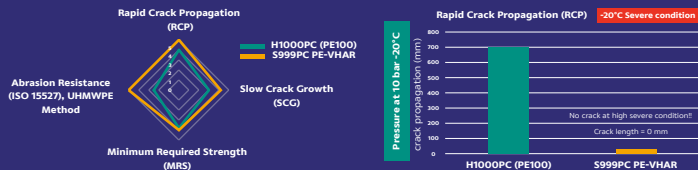


Discover SCGC'S LATEST PIPE SOLUTIONS

The World's First 2X Abrasion Resistance PE-Pipe, Lowering Costs and Less Downtime

SCGC™ HDPE S999PC: Very High Abrasion Resistance (PE-VHAR)

- ✓ **2X Abrasion Resistance than H1000PC (PE100):** A patented black compound by SMX™ Technology, the ideal for harsh environments e.g. slurry transportation in mining and dredging
- ✓ **Reduce Project Costs & Downtime:** Lower maintenance costs and downtime required for pipe repair and replacement
- ✓ **Sustainable Choice:** Extending pipeline service life through enhanced durability, while also allowing for pipe recycling after the end of use
- ✓ **Seamless Integration:** Easily extrudable with your current extrusion machines—no extra investment required



Certification & Standard Approval:
ISO 9080 | ISO 15527 | ASTM G65 | ISO 13477 | ISO 13479

Hot & Cold Water Pipe Solutions

PE112RT: PE-RT for Hot & Cold Industrial Pipe Application

- ✓ **Long-Term Hydrostatic Pressure Resistance:** Extend the lifespan and reliability of pipe
- ✓ **Easy Processability:** Smooth and efficient manufacturing
- ✓ **Outstanding Resistance to Sagging:** Consistent pipe quality and performance

Property	Method	Value	Unit
Melt flow rate (at 190 °C/5.00 kg)	ISO 1133	0.15	g/10 min
Density	ISO 1183	0.96	g/cm³
Tensile strength at yield (23°C)	ISO 527	25	MPa
Charpy impact (23°C)	ISO 179	22	kJ/m²
Pressure resistance at 20°C, 12.4 MPa	ISO 1167, SCGC laboratory	>1,000	hours
Pressure resistance at 80°C, 5.85 MPa	ISO 1167, SCGC laboratory	>1,500	hours

Certification & Standard in Progress:
ISO 9080 | ISO 22391

SCGC™ PP P159P: PP-R Resin for Hot & Cold Pipe System

- ✓ **Good Pressure Resistance:** Offer long-term pipe's service life over 50 years
- ✓ **Reliable Processability:** Generate uniform pipe dimension and refined surface
- ✓ **Strong Heat Resistance and Chemical Stability:** Ensure pipe quality and functionality
- ✓ **Zero Volatile Emission & Contamination-Free:** Provide safety, hygienic, and environmental friendly pipe

Property	Method	Value	Unit
Melt flow rate (at 230°C/2.16 kg)	ISO 1133	0.25	g/10 min
Tensile strength at yield	ISO 527	240	kg/cm²
Charpy impact strength (23°C)	ISO 179	15	kJ/m²
Charpy impact strength (0°C)	ISO 179	1.9	kJ/m²
Flexural modulus	ISO 178	9,900	kg/cm²

Certification & Standard in Progress:
ISO 9080 | NSF/ANSI/CAN 61 | NSF/ANSI/CAN 372 | WRAS (BS 6920 Standard)

Remark:

- In progress of certified by ISO 17025 accredited laboratory
- PP-R Pipe resin is developed for compliance with leading PP-R pipe standards: DIN 8077/8078 and ISO 15874
- Tested with a natural-colored pipe



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