

Jampilen EP6540G

Heterophasic Copolymer



Description:

"Jampilen EP6540G" is a high molecular weight impact copolymer with nucleating agent, specifically developed for extrusion applications. This grade offers high thermal resistance to variable temperatures, excellent chemical resistance to sewage and corrosive compounds, and high impact resistance, especially at low temperatures. The useful life of sewage pipes produced using this grade exceeds 50 years due to the applied additives. The main applications of "Jampilen EP6540G" include profiles, rigid sheets, sewage and industrial drainage pipes with high Ring Stiffness and Flexural Modulus produced through extrusion.

Processing Method:

Extrusion (Pipe and Sheet)

Features:

Very high impact resistance
High thermal and chemical resistance
High Ring Stiffness
High Flexural Modulus

Typical Applications:

Building sewage pipes
Underground pipes with high mechanical strength
Industrial drainage and discharge systems
Profiles and rigid sheets for industrial applications and thick sheets

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	1.25	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	> 1450	MPa	ASTM D790
Tensile Strength at Yield	> 25	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	> 500	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	> 60	J/m	ASTM D256
Thermal			
Vicat softening point (B 120 °C/h, 10N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	100	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012

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