

H2464

Heterophasic copolymer

Description:

H2464 is a natural polypropylene copolymer with exceptional balance of mechanical properties. The product has been specifically designed for extrusion of structured wall pipes for underground drainage and sewage applications but can also be used for other extrusion applications. The product provides high stiffness, excellent impact resistance at room temperature and in particular at sub-zero temperatures with high heat- and extraction stability.

Typical Applications

- Underground drainage and sewage pipes
- Sheet and profiles

Features: High melt viscosity, Excellent impact resistance, High stiffness, high heat and extraction stability

Suitable for: Extrusion (pipe, sheet, profile)

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	0.3	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus (1 mm/min)	1350	MPa	ISO 527-1, -2
Tensile strength at Yield (50 mm/min)	29	MPa	ISO 527-1, -2
Tensile Elongation at Break (50 mm/min)	400	%	ISO 527-1, -2
Tensile Elongation at Yield (50 mm/min)	10	%	ISO 527-1, -2
Flexural Modulus (2 mm/min)	1450	MPa	ISO 178
Izod impact strength (Notched)			ISO 180
23 °C	66	kJ/m ²	
0 °C	35	kJ/m ²	
-20 °C	17	kJ/m ²	
-30 °C	9	kJ/m ²	
Oxidation induction time (OIT) (200 °C)	> 30	min	EN 728
Oxidation induction time (OIT) (210 °C)	> 15	min	EN 728

* Typical values; not to be considered as product specification.