

Technical Data Sheet

Icorene 5704 ORE 3616

Polyethylene, Medium Density

Product Description

Icorene 5704 is a metallocene medium density polyethylene specifically developed for rotational moulding. This grade is a suitable grade for use in kayaks and boats applications. It has a good balance of properties such as toughness easy flow and stiffness.

Processing Method	Rotomolding
Attribute	Good Stiffness; Good Toughness; High Flow; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Water Sports Equipment

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Density	0.938	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	20	MPa	ASTM D638
Flexural Modulus	695	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched	17	kJ/m ²	ISO 179
Drop Impact Resistance, (-20 °C, Internal Method)	200	J/cm	ASTM D4226