

Polimaxx R1760
(PE-HD)

IRPC

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	6	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	29.5	MPa	ASTM D 638
Tensile Strength at Break	15	MPa	ASTM D 638
Elongation at Break	1000	%	ASTM D 638
Other Standards^[5]			
Charpy notched impact strength, +23°C	4	kJ/m ²	DIN 53453
Shore D Hardness	65.5	-	DIN 53505

S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Vicat Temperature	125	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	957	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	200 - 260	°C	-

Characteristics

Processing

Injection Molding

Applications

Packaging

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Regional Availability

Europe, Asia Pacific

Certifications

Food contact, Food approval FDA 21 CFR, RoHS compliant