

**Polimaxx V1160**

(PE-HD)

IRPC

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	29	MPa	ASTM D 638
Tensile Strength at Break	13.5	MPa	ASTM D 638
Elongation at Break	130	%	ASTM D 638
<b>Other Standards<sup>[5]</sup></b>			
Charpy notched impact strength, +23°C	2.5	kJ/m <sup>2</sup>	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
<b>ASTM Data</b>			
Vicat Temperature	125	°C	ASTM D 1525

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	170 - 250	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

Food contact, Food approval FDA 21 CFR, RoHS compliant

**Applications**

Toys

**Regional Availability**

Europe, Asia Pacific