



Rigidex® HD5060UA

Product Technical Information

Rigidex® HD5060UA is a linear copolymer polyethylene grade supplied in pellet form for injection moulding application.

Typical applications

- Used in blend to improve stiffness

Benefits and Features

- Improved stiffness
- UV stabilized
- Whiteness

Properties	Test Methods	Values	Units
Physical			
Density	ISO 1872	950	kg/m ³
Melt Flow Rate	2.16 kg load ISO 1133	5.5	g/10min
Mechanical			
Tensile Strength @ Yield (23°C Type 2 Speed D)	ISO 527	25	MPa
Elongation @ Break (23°C Type 2 Speed D)	ISO 527	> 1000	%
Flexural Modulus (23°C)	ISO 178	900	MPa
Charpy Impact Strength, 23°C	ISO 179	8	kJ/m ²
Hardness shore (D)	ISO 868	64	-
Thermal			
Melting point	ASTM D 2117	130	°C
Vicat softening point (A)	ISO 306	121	°C
Thermal conductivity	ASTM C 177	0.48	W/m ²
Specific heat	-	2300	J/kg °C
Coefficient of linear expansion	ASTM D 696	2x10 ⁻⁴	°C ⁻¹

- Data should not be used for specification work

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