



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