Rigidex® HD5050UA

Product Technical Information

Rigidex® HD5050UA 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	4	g/10min
Mechanical			
Tensile Strength @ Yield		25	
(23°C Type 2 Speed D) Elongation @ Break	ISO 527	25	MPa
(23°Č 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 expension	ASTM D 696	$2x10^{-4}$	°C ⁻¹

- Data should not be used for specification work

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The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to <u>psnohreg@ineos.com</u>. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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