

Rigidex® HD5050UA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

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

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Stiffness		
	Good UV Resistance		
	High Density		
Uses	Blending		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1872
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield, 23°C)	25.0	MPa	ISO 527-2/2
Tensile Strain ² (Break, 23°C)	> 1000	%	ISO 527-2/2
Flexural Modulus (23°C)	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306/A
Melting Temperature	130	°C	ASTM D2117
CLTE - Flow	2.0E-4	cm/cm/°C	ASTM D696
Specific Heat	2300	J/kg/°C	Internal Method
Thermal Conductivity	0.48	W/m/K	ASTM C177
NOTE			

1.	Speed D
2.	Speed D

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

