

Hostalen GD 4755

Polyäthylen hoher Dichte
LyondellBasell Industries

Technical Data

Produktbeschreibung

Exceptional organoleptic properties and a good balance of stiffness, toughness and environmental stress cracking resistance make Hostalen GD4755 the choice of customers for the production of closures for sparkling water, CSD and many other types of food and non-food caps and closures. Customers also use this material for engineering parts.

This grade is not intended for use in medical or pharmaceutical applications.

Allgemein

Materialstatus	• Kommerziell: Aktiv
Literatur ¹	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet - ISO (English)
Nach UL Yellow Card suchen	• LyondellBasell Industries • Hostalen
Verfügbarkeit	• Afrika und Mittlerer Osten • Europa
Merkmale	• Gute Organoleptisch Eigenschaften • Gute Zähigkeit • Hohe Dichte • Hohe ESCR (Spannungsrißbeständigkeit)
Anwendungen	• Kappen • Verschlüsse
Verarbeitungsmethoden	• Formpressen • Spritzgießen

Physikalische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Dichte	0,953	g/cm ³	ISO 1183
Schmelze-Massefließrate (MFR)			ISO 1133
190°C/2,16 kg	1,9	g/10 min	
190°C/5,0 kg	6,0	g/10 min	
FNCT ³ (50°C)	8,0	hr	Internal Method
Mechanische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Zug-E-Modul	1100	MPa	ISO 527-2
Zugfestigkeit (Einsinkweg)	27,0	MPa	ISO 527-2
Streckdehnung (Einsinkweg)	10	%	ISO 527-2
Schlagzähigkeit	Nominalwert	Einheit	Prüfmethode
Charpy-Kerbschlagzähigkeit (+23°C)			ISO 179/1eA
-30°C	4,5	kJ/m ²	
23°C	6,0	kJ/m ²	
Härte	Nominalwert	Einheit	Prüfmethode
Shorehärte (Shore D)	62		ISO 868
Kugeldruckhärte (H 132/30)	51,0	MPa	ISO 2039-1
Thermische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Vicat-Erweichungstemperatur	75,0	°C	ISO 306/B50
Spritzguß	Nominalwert	Einheit	
Verarbeitungs- (Schmelz) temperatur	190 bis 230	°C	

Anmerkungen

¹ Über diese Links haben Sie Zugriff auf die Herstellerliteratur. Wir setzen uns dafür ein, diese Literatur stets auf dem neuesten Stand zu halten; die aktuelle Literatur erhalten Sie in jedem Fall auch direkt beim Hersteller.

² Typische Eigenschaften, nicht als Spezifikationen anzusehen

³ 6MPa, 2% Arkopal

Vertriebspartner

Hersteller

LyondellBasell Industries

Wilmington, DE USA

Telefon: 713-309-7200

Web: <http://polymers.lyondellbasell.com/portal/site/basell/>

Distributeur

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

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