

HIVAL® 521054

High Density Polyethylene

Nexeo Solutions, LLC.

Message:

HIVAL® 521054 is a high density polyethylene material. This product is available in North America and is processed by injection molding.

HIVAL® The main features of the 521054 are:

ROHS certification

BPA free

accessible food

Typical application areas include:

home apps

disc/rack

Consumer goods

food contact applications

General Information			
Features	Compliance of Food Exposure		
	BPA-free		
Uses	Household goods		
	Toys		
	Bracket tray		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Flexural Modulus - 1% Secant	862	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	35	J/m	ASTM D256
Injection	Nominal Value	Unit	
Rear Temperature	232	°C	
Middle Temperature	243	°C	
Front Temperature	243	°C	
Nozzle Temperature	246	°C	

Processing (Melt) Temp	243	°C
Mold Temperature	7.22 - 18.3	°C
Injection instructions		

Screw Speed: Slow Injection Speed: Slow - Fast Avoid excessive melt temperatures and long residence times as this could lead to thermal degradation.

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

