

Ducor® 2500 H

Polypropylene Impact Copolymer

Ducor Petrochemicals BV

Message:

Ducor 2500H is a heterophasic propylene copolymer. Ducor 2500H exhibits excellent impact strength at low temperatures combined with good processability.

Food Contact Applications: This grade is in compliance with most regulations regarding food contact applications (EU, FDA). Specific information is available upon request.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Containers		
	Crates		
Agency Ratings	EC 1907/2006 (REACH)		
	EC 1935/2004		
	EN 71-3		
	EU 10/2011		
	EU 2000/53/EC		
	EU 2002/96/EC (WEEE)		
	EU 2005/84/EC		
	EU 94/62/EC		
	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1a		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	44.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	8.0	%	

Break	> 50	%	
Tensile Creep Modulus ¹ (1000 hr)	220	MPa	ISO 899-1
Shear Modulus	530	MPa	ISO 6721-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
-20°C	8.0	kJ/m ²	
0°C	12	kJ/m ²	
23°C, Partial Break	60	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
-20°C	No Break		
0°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	7.0	kJ/m ²	
-20°C	9.0	kJ/m ²	
0°C	13	kJ/m ²	
23°C, Partial Break	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A
--	60.0	°C	ISO 306/B
Melting Temperature (DSC)	163	°C	ISO 3146
NOTE			
1.	elongation <0.5%		

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



WECHAT