



45060-UV

ALCUDIA® 45060-UV is a high-density polyethylene copolymer of hexene, with high molecular weight. It is especially designed to make, by blow moulding, containers of medium and high capacity, oils and dangerous goods. This grade contains stabilisers according to the end-use of the item in order to reinforce the thermal and light stability. It has an excellent environmental stress cracking resistance (ESCR) and impact resistance, so it's recommended to IBC tanks.

It is useful for hazardous goods packaging according SKZ test certificate 45833/01

MAIN APPLICATIONS

IBC tanks and high capacity containers.

RECOMMENDED TEMPERATURE PROFILE

BARREL	HEAD	MELT TEMPERATURE
170°C - 200°C	180°C - 210°C	180 °C - 210°C

PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
A) GENERAL			
• Melt Flow Index			
5 kg / 190°C	g/10 min.	0.30	ISO - 1133
21.6 Kg / 190°C	g/10 min.	6.0	ISO - 1133
• Density at 23°C	Kg/m ³	945	ISO - 1183
• Vicat Softening Point	°C	128	ISO - 306
• Hardness, Shore D	°	65	ISO - 868
B) MECHANICAL			
• Tensile strength	Mpa	35	ISO - 527
• Yield strength	MPa	25	ISO - 527
• Elongation at Break	%	800	ISO - 527
• Flexural Modulus	MPa	1000	ISO - 178
D) OTHER			
• Environmental Stress Cracking Resistance (ESCR), F ₅₀	h	>600	MA-55-3020

ALCUDIA® 45060-UV complies with FDA standards and European Directives regarding contact with foodstuffs. For more information, please contact our Commercial Delegations.

STORAGE

The polyethylene **ALCUDIA® 45060-UV** should be stored in dry environment at temperatures below 60 °C and preferably protected from UV-light. Improper storage can initiate processes of degradation can have negative effects in the procesability and the properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

Head Offices:
P.º de la Castellana, 280
28046 Madrid
Spain
www.repsolypf.com/quimica
e-mail: quimica@repsolypf.com

Customer Service in Europe:
UK, Ireland, Scandinavia:
- France, Benelux:
Germany, Austria, Switzerland:
Italy:
Spain:
Portugal:
Other Countries:

Telephone:
+44 20 7581 0300
+33 (1) 46 965 102
+49 (69) 610 93 20
+39 (02) 40 933 92 05
+34 91 348 82 54
800 55 55 55 11
+34 91 348 90 84

e-mail:
sac.uk@repsolypf.com
sac.france@repsolypf.com
sac.deutschland@repsolypf.com
sac.italy@repsolypf.com
sac.quimica@repsolypf.com
sac.portugal@repsolypf.com
sac.quimica@repsolypf.com

TS & Development:
Tel. +34 91 348 8600
Fax: +34 91 530 45 17
e-mail: atdquimica@repsolypf.com
Crtra. Nac. V, km. 18
28931 Móstoles, Madrid
Spain