NIZH YUG **ABS Plastic**

TECHNICAL SPECIFICATION
Last revision date: 06.09.2012

ABS 1035

ABS 1035 –is an easy flow, molding grade, with a medium heat resistance and impact strength, enhanced heat resistance during the process. It is an indigenous due to low yellow index and color resistance; it can be used mainly for production automobile internals.
It is produced self-colored only, additives/ dye free.

PROPERTY	Value	Test method
Melt flow rate, g/10min at 220^0 C per 10 kg of load	10,0±1,5	ASTM 1238
Gloss at 60 °, minimum	50	ASTM D 523
Residual styrene mass fraction, %, not more	0,05	ТУ2214-159-05766801-2011
Izod impact strength, notched, (4,0 мм, $+23^0$C) J/m, not less	10	ISO 180
Vicat softening temperature, (50 N, 50^0C/h), °C, not less	98	ASTM 1525
Reference data		
Tensile strength, MPa	40	ASTM D638
Strain at break, %	75	ASTM D638
Flexural strength, MPa	62	ASTM D790
Flexural modulus, MPa	2200	ASTM D790
Charpy impact strength, notched, kJ/m^2 ($+23^0$C),	12	DIN 53453
Rockwell hardness	111	ISO2039/2
Deflection temperature under load, °C	103	ASTM D648
Coefficient of linear thermal expansion, 10^{-5}/°C	9	ASTM D696
Thermal conductivity, W/(K· m)	0,17	ASTM C177
Molding shrinkage, %	0,4-0,6	-
Flame behavior	HB	UL94
Glow wire test, °C	650	IEC 60695-2-1
Water absorption, %	0,3	ASTM D570

Product form: Pellets
Packaging: Polyethylene bags, in bulk by polymer trucks.
Transportation: All types of covered transport.
Storage: In closed room on shelves or pallets, at a distance of minimum 5 cm above the floor and at a distance of minimum 1 m from the space heaters, in conditions, excluding direct sunlight effect.

Information, stated in the specification, is submitted according to our data and is considered correct on the date of revision. This specification does not exempt the consumer from liability for checking the product correspondence to the suggested application. The producer is not responsible for any losses or damages, which can arise due to use of this information.

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