



**KPJ 83-144 (116CCZ)**

**Application and description:** This product is used as Jacketing for flexible cables at a voltage of 450/750 V and is designed based on high quality additives such as strong stabilizers and plasticizers. According to the standard, PVC/ST5 IEC 60227, this product needs to show mechanical properties of 10.5 MPa and a elongation at break of at least 150%. Among the unique features of the insulating compounds produced by Khorram Plastic, we can mention the glossiness of the final product surface.

**Packaging:** 25 kg laminated polypropylene bags

**Storage:** dry place, away from the sun, temperature below 30°c

**Color:** Black (116CCZP 001) -White (116CCZT 009)-  
Natural(116CCZ 004)

The results reported in the table below are based on the prepared sheet (T according to IEC 60811 standard).



Properties	Unit	Amount	Standard
Density	$gr/cm^3$	$1.44 \pm 0.01$	ASTM D 792
Hardness at 15 second	Shore "A"	$83 \pm 2$	ASTM D 2240
Thermal stability at 200°c	Minute	Min 60	VDE 0472
Mechanical properties Tensile Elongation	MPa %	$11.5 \pm 1$ min 150	IEC 60811-1-1
Amount of changes in mechanical properties after aging		$\pm 20\%$	

**Temperature profile:**

The recommended temperature settings for the extruder with L/D around 22-24 are as follows :

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
Temp (°C)	140-160	150-170	160-180	170-190	160-180	180-195

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